| Issue | Class | ifica | tion |
|-------|-------|-------|------|
|-------|-------|-------|------|



| Application No. | Applicant(s)     |  |
|-----------------|------------------|--|
| 10/088,425      | SHIBASAKI ET AL. |  |
| Examiner        | Art Unit         |  |
| Sonya Wright    | 1626             |  |

|  |                       | IS    | SUE C              | LASSIF                                     | ICATIO     | NC                               |             |          |  |  |  |  |  |
|--|-----------------------|-------|--------------------|--|------------|----------------------------------|-------------|----------|--|--|--|--|--|
| e in the   | ORIGINAL              |       | CROSS REFERENCE(S) |  |            |                                  |             |          |  |  |  |  |  |
| CLASS  | SUBCLASS              | CLASS |                    |  | SUBCLASS ( | ONE SUBCLAS                      | S PER BLOCK | <b>)</b> |  |  |  |  |  |
| 548  | 331.1                 | 548   | 321.5              |  |            |                                  |             |          |  |  |  |  |  |
| INTERNATIO   | ONAL CLASSIFICATION   |       |                    |  |            |                                  |             |          |  |  |  |  |  |
| C 0 7  | D 233/70              |       |                    |  |            |                                  |             |          |  |  |  |  |  |
|  | 1                     | ž, bg |                    |  |            |                                  |             |          |  |  |  |  |  |
|  | 1                     |       |                    |  |            |                                  |             |          |  |  |  |  |  |
|  | 1                     |       |                    |  |            |                                  |             |          |  |  |  |  |  |
|  |                       |       | rije i i           |  |            |                                  |             |          |  |  |  |  |  |
| Dony a Whight 7-30-03  (Assistant Examiner) (Date) |                       |       |                    | <b>) SEPLAK</b><br>JOSEPH K.<br>VISORY PAT | MCKANE     | Total Claims Allowed: 9          |             |          |  |  |  |  |  |
| (Legal In  | struments Examiner) ( | Date) | TEC                | HNOLOGY (<br>mary Examine                  | CENTER 16  | O.G. O.C<br>Print Claim(s) Print |             |          |  |  |  |  |  |

|       | Claims renumbered in the same order as presented by applicant |             |           |          |                    |       |          |      |       |          | □ C         | PA    |          | □ T. | D.    |          | □R         | .1.47 |          |
|-------|---|-------------|-----------|----------|--------------------|-------|----------|------|-------|----------|-------------|-------|----------|------|-------|----------|------------|-------|----------|
| Final | Original  |             | Final     | Original |                    | Final | Original |      | Final | Original |             | Final | Original |      | Final | Original |            | Final | Original |
| 1     | 1   |             |           | 31       |                    |       | 61       |      |       | 91       |             |       | 121      |      |       | 151      |            |       | 181      |
| 2     | 2   |             |           | 32       |                    |       | 62       |      |       | 92       |             |       | 122      |      |       | 152      |            |       | 182      |
| 3     | 3   |             |           | 33       |                    |       | 63       |      |       | 93       |             |       | 123      |      |       | 153      |            |       | 183      |
| 4     | 4   |             |           | 34       |                    |       | 64       |      |       | 94       |             |       | 124      |      |       | 154      |            |       | 184      |
| 5     | 5   |             |           | 35       |                    |       | 65       |      |       | 95       |             |       | 125      |      |       | 155      |            |       | 185      |
|       | 6 7   |             |           | 36       | 62/4               |       | 66       |      |       | 96       |             |       | 126      |      |       | 156      |            |       | 186      |
|       | 7   |             |           | 37       |                    |       | 67       |      |       | 97       |             |       | 127      |      |       | 157      |            |       | 187      |
|       | 8   |             |           | 38       |                    |       | 68       |      |       | 98       |             |       | 128      |      | _     | 158      |            |       | 188      |
|       | 9   |             |           | 39       |                    |       | 69       |      |       | 99       |             |       | 129      |      |       | 159      |            |       | 189      |
|       | 10  |             |           | 40       | 1.11               |       | 70       |      |       | 100      |             |       | 130      |      |       | 160      |            |       | 190      |
|       | 11  |             |           | 41       |                    |       | 71       |      |       | 101      |             |       | 131      |      |       | 161      |            |       | 191      |
|       | 12  |             |           | 42       |                    |       | 72       |      |       | 102      |             |       | 132      | 16 7 |       | 162      |            |       | 192      |
|       | 13  |             | ********* | 43       |                    |       | 73       |      |       | 103      |             |       | 133      |      |       | 163      |            |       | 193      |
|       | 1/4   |             |           | 44       |                    |       | 74       |      |       | 104      |             |       | 134      |      |       | 164      |            |       | 194      |
| 6     | 15  | 100         |           | 45       | edito ( )          |       | 75       |      |       | 105      | # 25 9      |       | 135      |      |       | 165      | 7 (50)     |       | 195      |
| 7     | 16  | 19-56       |           | 46       | -1964              |       | 76       | 1445 |       | 106      | Mariana . M |       | 136      |      |       | 166      | Ti Liferia |       | 196      |
| 8     | 17  | - 1         |           | 47       |                    |       | 77       |      |       | 107      | 11          |       | 137      |      |       | 167      | 11.        |       | 197      |
| 9     | 18  |             |           | 48       |                    |       | 78       |      |       | 108      |             |       | 138      |      |       | 168      |            |       | 198      |
|       | 19  |             |           | 49       |                    |       | 79       |      |       | 109      |             |       | 139      |      |       | 169      |            |       | 199      |
|       | 20  |             |           | 50       |                    |       | 80       |      |       | 110      |             |       | 140      |      |       | 170      |            |       | 200      |
|       | 21  | 127 10      |           | 51       |                    |       | 81       |      |       | 111      |             |       | 141      |      |       | 171      |            |       | 201      |
|       | 22  | 1 1 m - 1 m |           | 52       |                    |       | 82       |      |       | 112      |             |       | 142      |      |       | 172      | 2.40       |       | 202      |
|       | 23  |             |           | 53       |                    |       | 83       |      |       | 113      |             |       | 143      |      |       | 173      |            |       | 203      |
|       | 24  |             |           | 54       |                    |       | 84       |      |       | 114      |             |       | 144      |      |       | 174      |            |       | 204      |
|       | 25  |             |           | 55       |                    |       | 85       |      |       | 115      |             |       | 145      |      |       | 175      |            |       | 205      |
|       | 26  | - 1100V     |           | 56       |                    |       | 86       |      |       | 116      |             |       | 146      |      |       | 176      |            |       | 206      |
| L     | 27  |             |           | 57       | u veng e<br>m over |       | 87       |      |       | 117      |             |       | 147      |      |       | 177      |            |       | 207      |
|       | 28  |             |           | 58       |                    |       | 88       |      |       | 118      |             |       | 148      |      |       | 178      |            |       | 208      |
|       | 29  |             |           | 59       |                    |       | 89       |      |       | 119      |             |       | 149      |      |       | 179      |            |       | 209      |
|       | 30  |             |           | 60       |                    |       | 90       |      |       | 120      |             |       | 150      |      |       | 180      |            |       | 210      |

## Index of Claims

Application No.

10/088,425 Examiner

Sonya Wright

Applicant(s)

SHIBASAKI ET AL.
Art Unit

1626

| 1 | Rejected |
|---|----------|
| _ | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cli       | aim      | Γ         |               | Date          |               |        | Cla      | aim       | Date   |                   | C  | laim     |          |        | Date   | ·              |               |                   |
|-----------|----------|-----------|---------------|---------------|---------------|--------|----------|-----------|--|-------------------|--|----------|----------|--------|--|----------------|---------------|-------------------|
|           | 1        |           |               |               |               |        |          |           |  | 1 50              |  |          |          |        |  |                |               |                   |
| <u>70</u> | Original | 7/30/03   |               |               |               | 3.     | Final    | Original  |  |                   | Final  | Original |          | 1      |  |                |               |                   |
| Final     | <u>:</u> | စ္က       |               |               |               |        |          | ij        |  |                   | II   | ·ē       |          |        |  | -              |               |                   |
| -         | Ö        | 7         |               |               |               |        | 1        | 0         |  |                   |  | 0        |          |        |  |                | ļ             | 1. [              |
| 1         | 1        | =         |               | +-+           |               |        |          | 51        |  |                   | -  | 101      |          | +-     | $\vdash$   |                | +             | +-1               |
| 2         | 2        | =         |               | +-+           |               |        |          | 52        |  |                   |  | 102      |          | +-     | $\Box$   |                | +             | +                 |
| 3         | 3        | =         |               | +-+           | <del></del>   | - 5    |          | 53        | <del></del>  |                   |  | 103      |          |        | 1  |                | +             | +-1               |
| 4         | 4        | =         |               |               |               |        |          | 54        | <del></del>  | 100               | -  |          |          |        | $\vdash$   | -              |               | +                 |
| 5         |          | =         |               |               | +             |        |          | 55        | <del></del>  | 1                 | -  | 105      | -+       | +      | $\vdash$   |                |               | +                 |
|           | 5        | -         |               |               |               |        |          | 56        | <del>-                                     </del>  |                   | -  | 106      |          | +      | $\vdash$   |                | +             | +-                |
|           | q        | $\vdash$  |               |               |               |        | $\vdash$ | 57        | <del>-                                      </del> |                   | · <del> </del> -   | 107      |          |        | Н  | -+             | +             | +                 |
|           | 7        |           |               | +             |               | -      |          | 58        | <del>- - - - - - -</del>                           |                   | -  | 108      | -        | +      | <del>                                     </del> |                |               | ╁┈┤               |
|           | 8        | -         |               |               |               |        |          | 59        |  |                   | -  | 109      |          | +-     | $\vdash$   | $\dashv$       | -             | +                 |
|           | 9        | 1         |               |               |               |        | -        |           | <del></del>  | +-                |  | 110      |          | +-     |  |                | +             | +                 |
|           | 10       |           |               |               |               | -      | -        | 60        |  | - 100             | <del></del>  |          |          | +      | -  | -              |               | +                 |
| <u></u>   | 11       | $\vdash$  |               | ++            |               | -      | -        | 61        | <del></del>  |                   |  | 111      |          |        | <del>  </del>                                    |                |               | +                 |
| <u> </u>  | 12       | $\vdash$  |               | -  -          |               |        |          | 62        |  |                   |  | 112      |          |        | $\vdash$   | $\dashv$       | +             | +                 |
|           | 13       | $\square$ |               | ++            |               | - BS   |          | 63        |  |                   |  | 113      | +        | -      | 1-1  | -+             | $\dashv$      | +                 |
| <u></u>   | 14       | Ш         |               |               |               | 170    |          | 64        |  |                   |  | 114      |          | - -    | $\vdash$   |                | +             | +                 |
| 6         | 15       | =         |               |               |               | 10     |          | 65        |  | 4                 | ŭ  | 115      |          | -      | $\vdash$   |                |               | 4                 |
| 7         | 16       | =         |               | $\perp \perp$ | $\bot$        |        | <u> </u> | 66        |  | -                 | 11.0   | 116      |          | -      |  |                | -             |                   |
| 8         | 17       | =         |               |               |               |        |          | 67        |  | 10.0              | 112  | 117      |          | - -    | $\vdash$   |                | +             | 4                 |
| 9         | 18       | =         |               |               |               |        |          | 68        |  |                   | i.   | 118      | _ _ _    |        |  | _              |               | $\perp$           |
|           | 19       |           |               | _             |               |        |          | 69        |  | 1                 |  | 119      |          |        |  | _              |               | $\perp$           |
|           | 20       |           |               |               |               |        |          | 70        |  | · .               |  | 120      |          |        |  | _              |               | $\bot$            |
|           | 21       |           |               |               |               |        |          | 71        |  |                   |  | 121      |          |        |  |                |               | $\perp$           |
|           | 22       | L         |               |               |               |        | de       | 72        |  | 100               | Mich<br>D  | 122      |          |        |  |                |               | $\perp$           |
|           | 23       |           |               |               |               |        |          | 73        |  | 175<br>263<br>260 |  | 123      |          |        |  |                |               | Ш                 |
| -         | 24       |           |               |               |               |        |          | 74        |  |                   | 19   | 124      |          |        |  |                |               |                   |
|           | 25       |           |               |               |               | 100    |          | 75        |  | 5                 |  | 125      |          |        |  |                |               |                   |
|           | 26       |           |               |               |               |        |          | 76        |  |                   |  | 126      |          |        |  |                | _l_           |                   |
|           | 27       |           |               |               |               | 100    |          | 77        |  |                   |  | 127      |          |        |  |                |               | Ш                 |
|           | 28       |           |               |               |               | 100    |          | 78        |  | 200               | Casa Casa  | 128      |          |        |  |                |               | $\perp \perp$     |
|           | 29       |           |               |               |               |        |          | 79        |  | 970               | 0.75   | 129      |          |        |  |                |               |                   |
|           | 30       |           |               |               |               | 188    |          | 80        |  |                   |  | 130      |          |        |  |                |               |                   |
|           | 31       |           |               |               |               |        |          | 81        |  |                   |  | 131      |          |        | П  |                |               |                   |
|           | 32       |           |               |               |               |        |          | 82        |  |                   |  | 132      |          |        |  |                |               |                   |
|           | 33       |           |               |               |               | 10     | 10       | 83        |  | i i i i           |  | 133      |          | *      |  |                |               |                   |
|           | 34       | П         | $\neg \vdash$ |               |               |        |          | 84        |  |                   |  | 134      |          |        |  |                |               |                   |
|           | 35       |           |               | $\top$        |               | - 1    | E        | 85        |  |                   | 1110<br>1110   | 135      |          |        |  |                | T             |                   |
|           | 36       | П         |               | ++            | $\neg \vdash$ |        | e e      | 86        |  |                   |  | 136      |          |        | П  |                |               | T                 |
|           | 37       | П         |               | +             |               |        |          | 87        |  |                   |  | 137      |          | 1      | П  | $\neg$         |               | $\top$            |
|           | 38       |           |               | +-+           |               |        |          | 88        |  | 10.               |  | 138      | 1        |        | 1-1  | $\neg \dagger$ | $\neg \vdash$ | $\top$            |
|           | 39       | $\vdash$  |               | +             |               |        |          | 89        |  |                   | Date of the last o | 139      | 11       | $\top$ | +  | _              | $\top$        | $\top$            |
| <b>—</b>  | 40       | $\vdash$  | $\dashv$      | ++            |               | 7      |          | 90        |  |                   |  | 140      |          |        | 1-1  | 十              |               | 11                |
| <u> </u>  | 41       |           |               | +             |               | 3y     |          | 91        | <del>-   -   -   -   -   -   -   -   -   -  </del> |                   |  | 141      |          |        | 1 1  | 十              |               | $\forall \exists$ |
| $\vdash$  | 42       | $\vdash$  |               | ++            |               | -      |          | 92        | <del>-   -         -   -   -   -   -   -   -</del> |                   |  | 142      |          | +      | $\vdash$   | $\neg$         | $\dashv$      | $\dagger \exists$ |
|           | 43       | $\vdash$  |               | ++            |               |        | -        | 93        | <del></del>  |                   |  | 143      |          | _      | 1  | $\dashv$       | +             | 1                 |
| $\vdash$  | 44       | ╁┪        | <del></del>   | +             | ++-           |        | _        | 94        | <del></del>  | -                 |  | 144      |          | +      |  | $\dashv$       | +             | +                 |
| -         | 45       | $\vdash$  |               |               |               |        | -        | 95        |  |                   |  | 145      |          | a la   |  | -              | -             |                   |
| -         | 46       | -         |               | ++            | -             |        |          | 96        |  |                   | -  | 146      |          | -      | 1-1  | -+             | +             | 1                 |
| <b></b>   | 47       | $\vdash$  | +             | ++            | +             | 10 m   | -        | 97        | <del></del>  |                   | -  | 147      | $\dashv$ | +      | <del>                                     </del> | $\dashv$       | +-            | +                 |
|           | 48       | $\vdash$  |               | +-+           |               |        |          | 98        |  | 1                 |  | 148      | ++       | +-     | +  | $\dashv$       | +             | +                 |
| $\vdash$  |          |           | -             | +-+           |               |        | -        |           |  | -                 | $\vdash$   | 149      |          |        | +  | -+             | +             | +                 |
| -         | 49       | $\vdash$  |               | +             |               | 100    |          | 99<br>100 | <del></del>  |                   |  | 150      |          | +-     | $\vdash$   |                | +             | +                 |
|           | 50       | i l       |               | 1             |               | 11 111 | 3.       | 100       |  | I Had             | liii.  | 1 100    |          | 1      | 1 I  | - 1            | - 1           | 1 1               |